

**IMMUNOSTIMULANT COMPOSITIONS COMPRISING  
AMINOALKYL GLUCOSAMINIDE PHOSPHATES AND SAPONINS**

**ABSTRACT OF THE DISCLOSURE**

The invention provides pharmaceutical compositions, particularly vaccine  
5 compositions, employing an adjuvant system comprising at least one aminoalkyl  
glucosaminide phosphate compound and at least one saponin compound. Such compositions  
synergistically enhance the immune response in a mammal to a co-administered antigen.  
Also provided are methods of using the compositions in the treatment of various human  
diseases, including cancer, microbial infections and autoimmune disorders.

SF 1313801 v1